

Title (en)

CUFF EQUIPMENT FOR, INTER ALIA, ACHIEVING AND MAINTAINING FLUID- AND GAS-DEPLETED REGIONS IN PARTS OF THE BODY

Publication

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Application

EP 84904191 A 19841025

Priority

SE 8305855 A 19831025

Abstract (en)

[origin: WO8501868A1] A substantially tubular equipment (cuff) adapted in order to enclose a part of the body and thus apply pressure thereto, in order to achieve and maintain, in a circumferential region of the enclosed part of the body, a fluid- and gas-depleted field and/or in order to comprise a support and/or pressure bandage and/or in order to fix the part of the body mechanically. The cuff includes substantially annular chambers (4) distributed one after the other in the axial direction of the cuff and adjacent to each other, whose walls (41) consist primarily of flexible and/or elastic materials. The chambers are enclosed by a common outer circumferential pressure cell (3) which extends in the axial direction of the cuff and which is provided with connection devices (12, 13) in order to pressurise the cell (3) by means of a pressure medium from an external pressure source (14). The pressure cell has a wall (5) which is turned towards the chambers (4) and connected to valve devices (6) for actuation thereof or forms part of the valve devices, the latter being disposed in order to shut or open communication devices for passage of a pressure medium between adjacent chambers. When using the cuff the pressure cell (3) is given an increased internal pressure which controls the opening of the valve devices (6) when the chambers (4) are supplied with pressure medium. The cuff enables a substantially continuous expansion of the region, pressurised on the part of the body.

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